

## ADMINISTRATIVE RECORD INDEX

### COEUR D'ALENE BASIN TMDL

#### Part I: Correspondence

<u>Item</u>	<u>Date</u>	<u>Description of Document</u>
1	10/02/97	Letter from Jack Geraghty (Mayor of Spokane, WA) to Chuck Clark re: setting water quality standards in the upper Spokane River to the Washington/Idaho border.
2	10/06/97	Letter from Megan White (WA DOE) to Charles Rice (EPA) re: review of the TMDL prepared by the state of Idaho for the Spokane River in Idaho.
3	10/24/97	Letter from H. Sid Fredrickson, Bob Lloyd, Kent Helmer, and Bill Madigan (Idaho and Washington NPDES Dischargers to the Spokane River) to Chuck Clarke re: the wastewater utilities and NPDES dischargers along the Spokane River in Idaho (2 cc).
4	12/02/97	Letter from Chuck Clarke (EPA) to Idaho and Washington NPDES Dischargers to the Spokane River re: response to letter of October 24, 1997, regarding water quality issues in the Coeur d'Alene/Spokane River basin.
5	12/11/97	Letter from Idaho and Washington NPDES Dischargers to the Spokane River to Chuck Clarke (EPA) from Proposed Zine TMDL Approach for the Spokane River.
6	12/12/97	Letter from Chuck Rice (EPA) to Ben Cope and Carla Fisher (EPA) re: TMDL and Permits for Spokane River Dischargers.
7	01/07/98	Letter from H. Sid Fredrickson (Idaho and Washington NPDES Dischargers to the Spokane River) to Chuck Clarke (EPA) re: Spokane River TMDL process and findings (3 cc).
8	01/15/98	Letter from Philip Millam (EPA) to H. Sid Fredrickson (Idaho and Washington NPDES Dischargers to the Spokane River) re: response to letter of December 11, 1997.
9	01/28/98	Letter from H. Sid Fredrickson (Idaho and Washington NPDES Dischargers to the Spokane River) to Philip Millam (EPA) re: response to proposed TMDL language.

- 10 02/19/98 Letter from Megan White (WA DOE) to Charles Rice (EPA) re: opportunity to review the most recent draft TMDL prepared by the state of Idaho for the Spokane River in Idaho.
- 11 03/03/98 Letter from H. Sid Fredrickson (Idaho and Washington NPDES Dischargers to the Spokane River) to Philip Millam (EPA) re: meeting with EPA, WA DOE, and IDEQ on Tuesday, February 24, 1998.
- 12 04/09/98 Letter from Philip Millam (EPA) to H. Sid Fredrickson (Idaho and Washington NPDES Dischargers to the Spokane River) re: letter of March 3, 1998.
- 13 05/28/98 Letter from Kenneth Merrill (WA DOE) to Philip Millam (EPA) re: Proposed metals WLA for Spokane River point sources using effluent hardness-based method.
- 14 07/24/98 Letter from H. Sid Fredrickson (Idaho and Washington NPDES Dischargers to the Spokane River) to Philip Millam (EPA) re: review of the draft technical memorandum of April 9, 1998.
- 15 10/16/98 Letter from Larry Koenig (IDEQ) to Philip Millam (EPA) re: Change in TMDL schedule.
- 16 11/09/98 Letter from Chuck Clarke (EPA) to Wallace Cory (IDEQ) re: letter dated October 16, 1998 (2 cc).
- 17 11/20/98 Letter from H. Sid Fredrickson (Idaho and Washington NPDES Dischargers to the Spokane River) to Ken Merrill (WA DOE) re: *Recommendations for TMDLs and WLAs, September 1998.*
- 18 02/26/99 Letter from C. Stephen Allred (IDEQ) to Charles Clark re: New state proposal for TMDL on South Fork Coeur d'Alene River.
- 19 05/17/99 Letter from State of Idaho Representative Larry Watson to Steve Allred (IDEQ) re: application of Gold Book criteria in Coeur d'Alene basin.
- 20 07/01/99 Letter from Randall F. Smith, EPA, and C. Stephen Allred, IDEQ, to State of Idaho Representative Larry Watson.
- 21 07/02/99 Letter from Idaho Congressional Delegation to Chuck Clarke (EPA) re: invitation to hearing.
- 22 08/06/99 Letter from CdA permitted facilities to Ben Cope (EPA) and Geoff Harvey (IDEQ) re: request for meeting.
- 23 09/17/99 Letter from Rick Richins (Coeur) to Randy Smith (EPA) re: NPDES

permit renewals.

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| 24 | 09/23/99 | Letter from Rick Richins (Coeur) to Randy Smith (EPA) re: meeting follow-up.                                       |
| 25 | 12/06/99 | Letter from Randall F. Smith (EPA) to Rick Richins (Coeur) re: response to three previous letters.                 |
| 26 | 02/23/00 | Letter from CdA permitted facilities to Randall F. Smith (EPA) and Dave Mabe (IDEQ) re: request for meeting.       |
| 27 | 03/21/00 | Letter from Randall F. Smith (EPA) and Dave Mabe (IDEQ) to CdA permitted facilities re: meeting agenda.            |
| 28 | 03/28/00 | Letter from Ross Stout (SF CDA Sewer District) to Randall F. Smith (EPA) and Dave Mabe (IDEQ) re: 02/23/00 letter. |
| 29 | 04/04/00 | Letter from CdA permitted facilities to Randall F. Smith (EPA) and Dave Mabe (IDEQ) re: meeting.                   |
| 30 | 05/12/00 | Letter from John Allen (Sunshine) to Ben Cope (EPA) re: information.   |
| 31 | 05/19/00 | Letter from John Allen (Sunshine) to Ben Cope (EPA) re: meeting availability.                                      |
| 32 | 05/23/00 | Letter from John Allen (Sunshine) to Ben Cope (EPA) re: information.   |
| 33 | 05/23/00 | Letter from John Allen (Sunshine) to Ben Cope (EPA) re: corrected date.  |

**Part II        Public Notice Package, Extension of Comment Period, and Follow-Up Info**

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| 34 | 04/15/99 | Transmittal letter from Randall F. Smith, EPA, and C. Stephen Allred, IDEQ, to interested parties.                        |
| 35 | 04/15/99 | TMDL Information Sheet, including “Questions and Answers About TMDL and Water Quality Issues in the Coeur d’Alene Basin”. |
| 36 | 04/15/99 | Notice in newspapers other than Spokane   |
| 37 | 04/15/99 | Notice in Spokane paper   |
| 38 | 04/99    | Draft TMDL  |
| 39 | 04/99    | Draft Technical Support Document  |

- 40     05/14/99     Advertising for Public Hearings
- 41     06/10/99     Letter from Randall F. Smith, EPA, and C. Stephen Allred, IDEQ, to interested parties re: Extension of Comment Period.
- 42     06/10/99     Newspaper Notices, Post Cards (Extension of Comment Period)
- 43     10/15/99     TMDL Information Sheet: Review of Public Comments and Final Decisionmaking Process

**Part III        Comments Received During the Comment Period**

- 44                Log of Comment Letters and Hearing Testimony
- 45-[1-310]     Written Comments Received During Public Comment Period  
(in order listed in Comments Log)

**Part IV        TMDL Public Meetings and Hearings Testimony**

- 46                Slides Presented at Public Meetings by Ben Cope, EPA
- 47                Transcript of Testimony from 5/18/99, Public Hearing in Wallace, ID
- 48                Transcript of Testimony from 5/19/99, Public Hearing in Coeur d'Alene, ID
- 49                Transcript of Testimony from 5/25/99, Public Hearing in Osburne, ID

**Part V        Comments Received After the Close of the Comment Period (8/14/99)**

- 50                Copies of Postmarks
- 51-[1-5]        Bundles of Similar Form Letters

**Part VI        Final TMDL Package**

- 52     08/11/00     Transmittal letter from David Mabe, IDEQ, to Randall F. Smith, EPA re: submission of TMDL for EPA approval.
- 53     08/11/00     Final State-issued TMDL
- 54     08/11/00     Final TMDL Technical Support Document

<b>55</b>	08/11/00	TMDL Technical Support Document Appendices
<b>56</b>	08/11/00	Response to Comments Document
<b>57</b>	08/11/00	Identification and Response to Late Comments
<b>58</b>	08/18/00	Transmittal letter from Randall F. Smith, EPA, and David Mabe, IDEQ, to interested parties.
<b>59</b>	08/18/00	Final TMDL Information Sheet, including “Questions and Answers”.
<b>60</b>	08/18/00	Notice for newspapers (Spokane and Coeur d’Alene papers)
<b>61</b>	08/18/00	Final EPA-issued TMDL
<b>62</b>	08/18/00	TMDL Approval Letter from Randall F. Smith, EPA, to David Mabe, IDEQ

**Part VII Meeting Agendas and Notes**

<b>63</b>	Listing of Meetings with External Parties
<b>64-[1-13]</b>	Agendas and Notes

**Part VIII Electronic Files**

<b>65-[1-8]</b>	Iomega Zip Disk containing electronic files
	Water Quality and Source Data
	TMDL Elements Calculations - CDA River and Tributaries
	TMDL Elements Calculations - Lake Coeur d’Alene Sediments
	Translator Data
	Flow Regression Data
	Hardness/Flow Data
	Point Source Contribution
	Current Conditions

**Part IX        Studies and Technical Reports**

- 66**    04/21/00    CH2M Hill. Technical Memorandum: Draft Determination of Background Concentrations. (includes updates/corrections in electronic message from Don Heinle to EPA dated 07/28/00).
- 67**    07/25/00    CH2M Hill. Technical Memorandum: Bunker Hill Water Treatability Study; Phase 2B Work Plan
- 68**    02/07/00    CH2M Hill. Phase 1 Testing Results: Bunker Hill Mine Water Treatability Study. Kellogg, Idaho.
- 69**    02/24/00    CH2M Hill. Technical Memorandum: Bunker Hill Water Treatability Study; Phase 2A Work Plan.
- 70**    02/07/00    CH2M Hill. Final Report: Hydrologic Evaluation for Bunker Hill Mine TMDL Compliance
- 71**    01/17/00    CH2M Hill. Technical Memorandum: Phase 2 Treatability Test Approach; Bunker Hill Mine Water Management.
- 72**    01/03/00    CH2M Hill. Technical Memorandum: Bunker Hill Mine Water Treatability Study; Phase 1 Follow-up Testing Results.
- 73**    12/02/99    CH2M Hill. Technical Memorandum: Bunker Hill Mine Water Treatability Study; Summary of Phase 1 Results to Date.
- 74**    09/14/99    CH2M Hill. Technical Memorandum: Addendum: Bunker Hill Mine Water Treatability Study Work Plan.
- 75**    07/99        CH2M Hill. Bunker Hill Mine Water Treatability Study Work Plan.
- 76**    12/17/99    Falter, C.M. Rebuttal to Expert Report of Thomas F. Pederson and Eddy C. Carmack (U.S. vs. ASARCO, No. CV96-0122-N-EJL).
- 77**    7/97         Houck, O.A. TMDLs: The Resurrection of Water Quality Standards-Based Regulation Under the Clean Water Act. 27 ELR 10329-10344.
- 78**    09/01/99    Maest, Heinle, Marcus, Ralston. Expert Report: Release, Transport, and Environmental Fate of Hazardous Substances in the Coeur d'Alene River Basin, Idaho. Appendix C: Determination of Baseline Concentrations of Hazardous Substances in Surface Water. (U.S. vs. ASARCO, No. CV96-0122-N-EJL).

<b>79</b>	01/11/00	Maest, Lejeune, Cacela. Rebuttal to Expert Report of Donald D. Runnells, PH.D. (U.S. vs. ASARCO, No. CV96-0122-N-EJL).
<b>80</b>	12/17/99	Maest. Rebuttal to Expert Report of Thomas F. Pedersen and Eddy C. Carmack, PH.D. (U.S. vs. ASARCO, No. CV96-0122-N-EJL).
<b>81</b>	08/08/91	McCulley, Frick, and Gillman (MFG). Upstream Surface Water Sampling Program, Spring 1991 High Flow Event, South Fork Coeur d'Alene River Basin above the Bunker Hill Superfund Site.
<b>82</b>	03/24/92	McCulley, Frick, and Gillman (MFG). Upstream Surface Water Sampling Program, Fall 1991 Low Flow Event, South Fork Coeur d'Alene River Basin above the Bunker Hill Superfund Site.
<b>83</b>	01/01/96	Paulson. Fate of Metals in Surface Waters of the Coeur d'Alene Basin, Idaho.
<b>84</b>	10/28/99	Pederson, T.F. and Carmack, E.C. Expert report: The physical and geochemical status of the waters and sediments of Coeur d'Alene Lake, Idaho: A critical review
<b>85</b>	11/01/99	Runnells, D. Expert Report of Donald D. Runnells, United States v. Asarco Inc, et al (U.S. vs. ASARCO, No. CV 96-0122-N-EJL)
<b>86</b>	03/12/98	SAIC. Draft Review of USGS Limnology Study of Coeur d'Alene Lake and Effects to the TMDL for the Coeur d'Alene Basin.
<b>87</b>	11/98	SAIC. Technical Feasibility of Reducing Zinc, Lead, and Cadmium to Microgram per Liter Levels in Mining Wastewaters.
<b>88</b>	1997	United States Geological Survey (Woods and Beckwith). Trace-Element Concentrations and Transport in the Coeur d'Alene River, Idaho, Water Years 1993-94.
<b>89</b>	1998	United States Geological Survey (Balistreri). Preliminary Estimates of Benthic Fluxes of Dissolved Metals in Coeur d'Alene Lake, Idaho. Open-File Report 98-793.
<b>90</b>	1997	United States Geological Survey. Nutrient and Trace-Element Enrichment of Coeur d'Alene Lake, Idaho. Prepared in cooperation with the Idaho Department of Health and Welfare, Division of Environmental Quality, and the Coeur d'Alene Tribe. U.S. Geological Water-Supply Paper 2485.
<b>91</b>	10/22/97	URS Greiner and CH2M Hill (URSG). Field Sampling Plan and Quality Assurance Project Plan Addenda for the Coeur d'Alene River Basin

(Bunker Hill Facility) Project, Shoshone County, Idaho; Addenda 02, Adit Drainage, Seep, and Creek Surface Water Sampling.

- 92**    04/24/98    URS Greiner and CH2M Hill (URSG). Draft Field Sampling Plan and Quality Assurance Project Plan Addenda for the Bunker Hill Facility/Coeur d'Alene Basin, Shoshone County, Idaho; Addenda 04, Adit Drainage, Seep, and Creek Surface Water Sampling; Spring 1998 High flow Event.
- 93**    05/01/98    URS Greiner and CH2M Hill (URSG). Field Sampling Plan Alterations for Adit Drainage, Seep, and Creek Surface Water Sampling; Spring 1998 High Flow Event; Bunker Hill Facility/Coeur d'Alene Basin Project, Shoshone, County, Idaho.
- 94**    06/94    Washington Department of Ecology. Cadmium, Copper, Lead, Mercury and Zinc in the Spokane River: Comparisons with Water Quality Standards and Recommendations for Total Maximum Daily Loads.
- 95**    09/98    Washington Department of Ecology. Cadmium, Lead, and Zinc in the Spokane River, Recommendations for Total Maximum Daily Loads and Waste Load Allocations. Publication No. 98-329.

**Part X            Regulatory Guidance Documents**

- 96**    4/91    Environmental Protection Agency. Guidance for Water Quality-based Decisions: The TMDL Process. EPA 440/4-91-001.
- 97**    8/13/92    Environmental Protection Agency. Memorandum from Geoffrey Grubbs re: Supplemental Guidance on Section 303(d) Implementation.
- 98**    8/13/92    Environmental Protection Agency. Memorandum from Geoffrey Grubbs re: Final Rules for Implementing Clean Water Act Section 303(d).
- 99**    10/30/92    Environmental Protection Agency. Memorandum from Geoffrey Grubbs re: Approval of 303(d) Lists, Promulgation Schedules/Procedures, and Public Participation.
- 100**    9/93    Environmental Protection Agency. Water Quality Standards Handbook - Second Edition. Chapters 2, 3, and 5.
- 101**    9/93    Environmental Protection Agency. Technical Support Document for Water Quality-based Toxics Control. Chapters 1-5.
- 102**    11/26/93    Environmental Protection Agency. Memorandum from Geoffrey Grubbs



re: Guidance for 1994 Section 303(d) Lists.

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| <b>103</b> | 3/95     | Environmental Protection Agency. Interim Economic Guidance for Water Quality Standards; Workbook (Appendix M to the Water Quality Standards Handbook - Second Edition).   |
| <b>104</b> | 07/24/95 | EPA Region 10, Wastewater Management and Enforcement Branch. Use of Ambient Data and Antidegradation in Calculating Wasteload Allocations.  |
| <b>105</b> | 11/95    | Environmental Protection Agency. Guidance Document for Listing Waterbodies in the Region 10 303(d) Program (EPA 910/R-95-003)   |
| <b>106</b> | 06/96    | Environmental Protection Agency. The Metals Translator: Guidance for Calculating a Total Recoverable Permit Limit from a Dissolved Criterion. EPA 823-B-96-007.   |
| <b>107</b> | 08/09/96 | Environmental Protection Agency. Memorandum from Robert Perciasepe re: EPA Action on 1996 lists, Priority Rankings and TMDL Targeting Plans Submitted by States Under Section 303(d) of the CWA.                |
| <b>108</b> | 11/96    | Washington Department of Ecology. Total Maximum Daily Load Development Guidelines. Publication No. 97-315.  |
| <b>109</b> | 04/07/97 | Environmental Protection Agency. Idaho TMDL Development Schedule, EPA Review and Evaluation.  |
| <b>110</b> | 05/23/97 | Environmental Protection Agency. Memorandum from Geoffrey H. Grubbs to FACA Workgroup re: Nonpoint Sources and Section 303(d) Listing Requirements.   |
| <b>111</b> | 08/08/97 | Environmental Protection Agency. Memorandum from Robert Perciasepe to Regional Administrators & Regional Water Division Directors re: New Policies for Establishing and Implementing Total Maximum Daily Loads. |
| <b>112</b> | 08/27/97 | Environmental Protection Agency. Memorandum from Robert H. Wayland to Regional Water Division Directors: "National Clarifying Guidance for 1998 State and Territory Section 303(d) Listing Decisions."          |
| <b>113</b> | 07/98    | Environmental Protection Agency. Report of the Federal Advisory Committee on the Total Maximum Daily Load (TMDL) Program.   |
| <b>114</b> | 08/23/99 | Environmental Protection Agency. Proposed Revisions to the Water Quality Planning and Management Regulation; Proposed Rule.   |
| <b>115</b> | 07/13/00 | EPA. Revisions to the Water Quality Planning and Management   |

Regulation. Final Rules.

**Part XI      Miscellaneous**

- 116**    03/23/93      Consolidated Silver Corp. NPDES permit renewal application (excerpt).
- 117**    08/26/97      Washington Dept. of Ecology. Memo: Metal Concentrations in the  
Spokane River during Spring 1997.
- 118**    03/98          EPA. Analytical Results from NPDES Inspection Sampling.
- 119**    04/98          EPA. Analytical Results from NPDES Inspection Sampling.
- 120**    08/28/98      NPDES permit for Comminco (Red Dog facility); Limits table from  
permit.
- 121**    09/02/98      SAIC/Denver. Fax from Melissa Hammet to Ben Cope (EPA) re: Caladay  
and Star/Morning variability
- 122**    09/03/98      SAIC/Denver. Fax from Melissa Hammet to Ben Cope (EPA) re: Caladay  
adit and South Fork Regression.
- 123**    09/03/98      SAIC/Denver. Fax from Melissa Hammet to Ben Cope (EPA) re: Caladay  
adit and South Fork graph/data.
- 124**    12/03/98      Email from David Hallock (Ecology) to Ben Cope (EPA) re: Metals Data  
from the Spokane River at Stateline Bridge: Water Year 1997.
- 125**    12/29/98      Memo from Ben Cope (EPA) to File re: Coeur d'Alene Site Visit.
- 126**    05/27/99      JUB Engineers. Page WWTP Data. WLA vs. Gold Book
- 127**    05/27/99      DEQ Dataset for Page WWTP.
- 128**    05/10/00      Sunshine Mining Co. Letter to Patty McGrath (EPA) re: flow estimates in  
permit renewal application.
- 129**    05/22/00      Fax cover page and phone memo re: Appendix F in draft TMDL TSD.
- 130**    06/15/00      CH2M Hill. Fax from E. Matt Germon to Ben Cope (EPA) re: Placer  
Creek flow withdrawals.
- 131**    07/17/00      Memo from Ben Cope (EPA) to File re: Phone call to John Allen,  
Sunshine Mine, regarding Consolidated Silver facility.

- 132** 08/03/00 Idaho DEQ. Fax from Geoff Harvey to Ben Cope (EPA) re:  
Tiger/Poorman adit data
- 133** 08/10/00 Memo from Ben Cope (EPA) to File re: Use of Median Value for Natural  
Background.
- 134** 08/10/00 Memo from Ben Cope (EPA) to File re: Data received from NPDES  
facilities through 308 requests.
- 135** undated URSG. Adit Drainage and Seep Site Descriptions.